

# Dispensette® S Bottletop Dispenser

NEW!

Setting the standard  
for a half century



**BRANDTECH®**  
SCIENTIFIC, INC.

# BRAND® Dispensette® S Bottletop Dispensers

## Easy calibration technique

Calibration and adjustments according to ISO 9001 and GLP are done within seconds

## Calibration mechanism

## NEW!

### Discharge valve with safety ball

Closes when discharge tube is not mounted

## NEW!

### Discharge tube

Without recirculation valve

## NEW!

### Large viewing window

Easy priming verification

## NEW!

### Volume selection

Using interior scalloped track

## NEW!

### Discharge tube

With recirculation valve

### 360° rotating valve block

With GL 45 thread

## NEW!

### Olive-shaped filling valve

For firmer attachment of the filling tube

### Recirculation tube

For discharge tubes with recirculation valve

### Telescoping filling tube

Easy height adjustment without cutting



Dispensette® S Organic Digital

Dispensette® S Analog-adjustable

# BRAND® Dispensette® S Bottletop Dispensers

| Dispensette® S                                   |                |        |     |       |     | Without recirculation valve | With recirculation valve |          |            |
|--------------------------------------------------|----------------|--------|-----|-------|-----|-----------------------------|--------------------------|----------|------------|
|                                                  |                | A* < ± |     | CV* ≤ |     |                             | 2017                     |          | 2017       |
| Volume, mL                                       | Increments, mL | %      | µL  | %     | µL  | Cat. No.                    | List Price               | Cat. No. | List Price |
| <b>Dispensette® S, Digital</b>                   |                |        |     |       |     |                             |                          |          |            |
| 0.1-1                                            | 0.005          | 0.6    | 6   | 0.2   | 2   | 4600310                     | \$492.28                 | 4600311  | \$522.73   |
| 0.2-2                                            | 0.01           | 0.5    | 10  | 0.1   | 2   | 4600320                     | 492.28                   | 4600321  | 522.73     |
| 0.5-5                                            | 0.02           | 0.5    | 25  | 0.1   | 5   | 4600330                     | 492.28                   | 4600331  | 522.73     |
| 1-10                                             | 0.05           | 0.5    | 50  | 0.1   | 10  | 4600340                     | 492.28                   | 4600341  | 522.73     |
| 2.5-25                                           | 0.1            | 0.5    | 125 | 0.1   | 25  | 4600350                     | 664.83                   | 4600351  | 695.28     |
| 5-50                                             | 0.2            | 0.5    | 250 | 0.1   | 50  | 4600360                     | 674.98                   | 4600361  | 705.43     |
| <b>Dispensette® S, Analog-adjustable</b>         |                |        |     |       |     |                             |                          |          |            |
| 0.1-1                                            | 0.02           | 0.6    | 6   | 0.2   | 2   | 4600100                     | \$431.38                 | 4600101  | \$451.68   |
| 0.2-2                                            | 0.05           | 0.5    | 10  | 0.1   | 2   | 4600120                     | 431.38                   | 4600121  | 451.68     |
| 0.5-5                                            | 0.1            | 0.5    | 25  | 0.1   | 5   | 4600130                     | 431.38                   | 4600131  | 451.68     |
| 1-10                                             | 0.2            | 0.5    | 50  | 0.1   | 10  | 4600140                     | 431.38                   | 4600141  | 451.68     |
| 2.5-25                                           | 0.5            | 0.5    | 125 | 0.1   | 25  | 4600150                     | 603.93                   | 4600151  | 624.23     |
| 5-50                                             | 1.0            | 0.5    | 250 | 0.1   | 50  | 4600160                     | 619.15                   | 4600161  | 639.45     |
| 10-100                                           | 1.0            | 0.5    | 500 | 0.1   | 100 | 4600170                     | 964.25                   | 4600171  | 984.55     |
| <b>Dispensette® S, Fixed-volume</b>              |                |        |     |       |     |                             |                          |          |            |
| 1                                                |                | 0.6    | 6   | 0.2   | 2   | 4600210                     | \$431.38                 | 4600211  | \$451.68   |
| 2                                                |                | 0.5    | 10  | 0.1   | 2   | 4600220                     | 431.38                   | 4600221  | 451.68     |
| 5                                                |                | 0.5    | 25  | 0.1   | 5   | 4600230                     | 431.38                   | 4600231  | 451.68     |
| 10                                               |                | 0.5    | 50  | 0.1   | 10  | 4600240                     | 431.38                   | 4600241  | 451.68     |
| <b>Dispensette® S Organic</b>                    |                |        |     |       |     | Without recirculation valve | With recirculation valve |          |            |
|                                                  |                | A* < ± |     | CV* ≤ |     |                             | 2017                     |          | 2017       |
| Volume, mL                                       | Increments, mL | %      | µL  | %     | µL  | Cat. No.                    | List Price               | Cat. No. | List Price |
| <b>Dispensette® S Organic, Digital</b>           |                |        |     |       |     |                             |                          |          |            |
| 0.5-5                                            | 0.02           | 0.5    | 25  | 0.1   | 5   | 4630330                     | \$543.03                 | 4630331  | \$573.48   |
| 1-10                                             | 0.05           | 0.5    | 50  | 0.1   | 10  | 4630340                     | 543.03                   | 4630341  | 573.48     |
| 2.5-25                                           | 0.1            | 0.5    | 125 | 0.1   | 25  | 4630350                     | 730.80                   | 4630351  | 761.25     |
| 5-50                                             | 0.2            | 0.5    | 250 | 0.1   | 50  | 4630360                     | 746.03                   | 4630361  | 776.48     |
| <b>Dispensette® S Organic, Analog-adjustable</b> |                |        |     |       |     |                             |                          |          |            |
| 0.5-5                                            | 0.1            | 0.5    | 25  | 0.1   | 5   | 4630130                     | \$466.90                 | 4630131  | \$497.35   |
| 1-10                                             | 0.2            | 0.5    | 50  | 0.1   | 10  | 4630140                     | 466.90                   | 4630141  | 497.35     |
| 2.5-25                                           | 0.5            | 0.5    | 125 | 0.1   | 25  | 4630150                     | 654.68                   | 4630151  | 685.13     |
| 5-50                                             | 1.0            | 0.5    | 250 | 0.1   | 50  | 4630160                     | 669.90                   | 4630161  | 700.35     |
| 10-100                                           | 1.0            | 0.5    | 500 | 0.1   | 100 | 4630170                     | 1,050.53                 | 4630171  | 1,080.98   |
| <b>Dispensette® S Organic, Fixed-volume</b>      |                |        |     |       |     |                             |                          |          |            |
| 5                                                |                | 0.5    | 25  | 0.1   | 5   | 4630230                     | \$466.90                 | 4630231  | \$497.35   |
| 10                                               |                | 0.5    | 50  | 0.1   | 10  | 4630240                     | 466.90                   | 4630241  | 497.35     |



Dispensette® S



Dispensette® S Organic



Dispensette® S Trace Analysis

| Dispensette® S Trace Analysis                           |                  |          |    |         |    | Without recirculation valve | With recirculation valve |          |            |
|---------------------------------------------------------|------------------|----------|----|---------|----|-----------------------------|--------------------------|----------|------------|
|                                                         |                  | A* < ± % |    | CV* ≤ % |    |                             | 2017                     |          | 2017       |
| Volume, mL                                              | Valve Spring     | %        | µL | %       | µL | Cat. No.                    | List Price               | Cat. No. | List Price |
| <b>Dispensette® S Trace Analysis, Analog-adjustable</b> |                  |          |    |         |    |                             |                          |          |            |
| 1-10                                                    | Platinum-iridium | 0.5      | 50 | 0.1     | 10 | 4640040                     | 1,075.90                 | 4640041  | \$1,106.35 |
| 1-10                                                    | Tantalum         | 0.5      | 50 | 0.1     | 10 | 4640240                     | 1,075.90                 | 4640241  | 1,106.35   |

A\*=Accuracy, CV\*=Coefficient of Variation

\* The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20°C/68°F) and with smooth operation.

# Areas of Application / Suggested Dispenser

■ Dispensette® S (Disp. S) ■ Dispensette® S Organic (Disp. S Organic)

| Reagent                                  | Disp. S | Disp. S Organic | Reagent                                 | Disp. S | Disp. S Organic | Reagent                                        | Disp. S | Disp. S Organic |
|------------------------------------------|---------|-----------------|-----------------------------------------|---------|-----------------|------------------------------------------------|---------|-----------------|
| Acetaldehyde                             | +       | +               | Cyclohexane                             | +       | +               | Methylene chloride                             | +       | +               |
| Acetic acid (glacial), 100%              | +       | +               | Cyclohexanone                           | +       | +               | Mineral oil (Engine oil)                       | +       | +               |
| Acetic acid, ≤ 96%                       | +       | +               | Cyclopentane                            | +       | +               | Monochloroacetic acid                          | +       | +               |
| Acetic anhydride                         | +       | +               | Decane                                  | +       | +               | Nitric acid, ≤ 30%                             | +       | +               |
| Acetone                                  | +       | +               | 1-Decanol                               | +       | +               | Nitric acid, 30-70% */ **                      | +       | +               |
| Acetonitrile                             | +       | +               | Dibenzyl ether                          | +       | +               | Nitrobenzene                                   | +       | +               |
| Acetophenone                             | +       | +               | Dichloroacetic acid                     | +       | +               | Oleic acid                                     | +       | +               |
| Acetyl chloride                          | +       | +               | Dichlorobenzene                         | +       | +               | Oxalic acid                                    | +       | +               |
| Acetylacetone                            | +       | +               | Dichloroethane                          | +       | +               | n-Pentane                                      | +       | +               |
| Acrylic acid                             | +       | +               | Dichloroethylene                        | +       | +               | Peracetic acid                                 | +       | +               |
| Acrylonitrile                            | +       | +               | Dichloromethane                         | +       | +               | Perchloric acid                                | +       | +               |
| Adipic acid                              | +       | +               | Diesel oil (Heating oil), bp 250-350 °C | +       | +               | Perchloroethylene                              | +       | +               |
| Allyl alcohol                            | +       | +               | Diethanolamine                          | +       | +               | Petroleum, bp 180-220 °C                       | +       | +               |
| Aluminium chloride                       | +       | +               | Diethyl ether                           | +       | +               | Petroleum ether, bp 40-70 °C                   | +       | +               |
| Amino acids                              | +       | +               | Diethylamine                            | +       | +               | Phenol                                         | +       | +               |
| Ammonia, ≤ 20%                           | +       | +               | 1,2 Diethylbenzene                      | +       | +               | Phenylethanol                                  | +       | +               |
| Ammonia, 20-30%                          | +       | +               | Diethylene glycol                       | +       | +               | Phenylhydrazine                                | +       | +               |
| Ammonium chloride                        | +       | +               | Dimethyl sulfoxide (DMSO)               | +       | +               | Phosphoric acid, ≤ 85%                         | +       | +               |
| Ammonium fluoride                        | +       | +               | Dimethylaniline                         | +       | +               | Phosphoric acid, 85% + Sulfuric acid, 98%, 1:1 | +       | +               |
| Ammonium sulfate                         | +       | +               | Dimethylformamide (DMF)                 | +       | +               | Piperidine                                     | +       | +               |
| n-Amyl acetate                           | +       | +               | 1,4 Dioxane                             | +       | +               | Potassium chloride                             | +       | +               |
| Amyl alcohol (Pentanol)                  | +       | +               | Diphenyl ether                          | +       | +               | Potassium dichromate                           | +       | +               |
| Amyl chloride (Chloropentane)            | +       | +               | Essential oil                           | +       | +               | Potassium hydroxide                            | +       | +               |
| Aniline                                  | +       | +               | Ethanol                                 | +       | +               | Potassium permanganate                         | +       | +               |
| Barium chloride                          | +       | +               | Ethanolamine                            | +       | +               | Propionic acid                                 | +       | +               |
| Benzaldehyde                             | +       | +               | Ethyl acetate                           | +       | +               | Propylene glycol (Propanediol)                 | +       | +               |
| Benzene (Benzol)                         | +       | +               | Ethylbenzene                            | +       | +               | Pyridine                                       | +       | +               |
| Benzine (Petroleum benzin), bp 70-180 °C | +       | +               | Ethylene chloride                       | +       | +               | Pyruvic acid                                   | +       | +               |
| Benzoyl chloride                         | +       | +               | Fluoroacetic acid                       | +       | +               | Salicylaldehyde                                | +       | +               |
| Benzyl alcohol                           | +       | +               | Formaldehyde, ≤ 40%                     | +       | +               | Scintillation fluid                            | +       | +               |
| Benzylamine                              | +       | +               | Formamide                               | +       | +               | Silver acetate                                 | +       | +               |
| Benzylchloride                           | +       | +               | Formic acid, ≤ 100%                     | +       | +               | Silver nitrate                                 | +       | +               |
| Boric acid, ≤ 10%                        | +       | +               | Glycerol                                | +       | +               | Sodium acetate                                 | +       | +               |
| Bromobenzene                             | +       | +               | Glycol (Ethylene glycol)                | +       | +               | Sodium chloride                                | +       | +               |
| Bromonaphthalene                         | +       | +               | Glycolic acid, ≤ 50%                    | +       | +               | Sodium dichromate                              | +       | +               |
| Butanediol                               | +       | +               | Heating oil (Diesel oil), bp 250-350 °C | +       | +               | Sodium fluoride                                | +       | +               |
| 1-Butanol                                | +       | +               | Heptane                                 | +       | +               | Sodium hydroxide, ≤ 30%                        | +       | +               |
| n-Butyl acetate                          | +       | +               | Hexane                                  | +       | +               | Sodium hypochlorite                            | +       | +               |
| Butyl methyl ether                       | +       | +               | Hexanoic acid                           | +       | +               | Sulfuric acid, ≤ 98%                           | +       | +               |
| Butylamine                               | +       | +               | Hexanol                                 | +       | +               | Tartaric acid                                  | +       | +               |
| Butyric acid                             | +       | +               | Hydriodic acid, ≤ 57% **                | +       | +               | Tetrachloroethylene                            | +       | +               |
| Calcium carbonate                        | +       | +               | Hydrobromic acid +                      | +       | +               | Tetrahydrofuran (THF) */ **                    | +       | +               |
| Calcium chloride                         | +       | +               | Hydrochloric acid, ≤ 20%                | +       | +               | Tetramethylammonium hydroxide                  | +       | +               |
| Calcium hydroxide                        | +       | +               | Hydrochloric acid, 20-37% **            | +       | +               | Toluene                                        | +       | +               |
| Calcium hypochlorite                     | +       | +               | Hydrogen peroxide, ≤ 35%                | +       | +               | Trichloroacetic acid                           | +       | +               |
| Carbon tetrachloride                     | +       | +               | Isoamyl alcohol                         | +       | +               | Trichlorobenzene                               | +       | +               |
| Chloro naphthalene                       | +       | +               | Isobutanol                              | +       | +               | Trichloroethane                                | +       | +               |
| Chloroacetaldehyde, ≤ 45%                | +       | +               | Isooctane                               | +       | +               | Trichloroethylene                              | +       | +               |
| Chloroacetic acid                        | +       | +               | Isopropanol (2-Propanol)                | +       | +               | Trichlorotrifluoro ethane                      | +       | +               |
| Chloroacetone                            | +       | +               | Isopropyl ether                         | +       | +               | Triethanolamine                                | +       | +               |
| Chlorobenzene                            | +       | +               | Lactic acid                             | +       | +               | Triethylene glycol                             | +       | +               |
| Chlorobutane                             | +       | +               | Methanol                                | +       | +               | Trifluoro ethane                               | +       | +               |
| Chloroform                               | +       | +               | Methoxybenzene                          | +       | +               | Trifluoroacetic acid (TFA)                     | +       | +               |
| Chlorosulfonic acid                      | +       | +               | Methyl benzoate                         | +       | +               | Turpentine                                     | +       | +               |
| Chromic acid, ≤ 50%                      | +       | +               | Methyl butyl ether                      | +       | +               | Urea                                           | +       | +               |
| Chromosulfuric acid                      | +       | +               | Methyl ethyl ketone                     | +       | +               | Xylene                                         | +       | +               |
| Copper sulfate                           | +       | +               | Methyl formate                          | +       | +               | Zinc chloride, ≤ 10%                           | +       | +               |
| Cresol                                   | +       | +               | Methyl propyl ketone                    | +       | +               | Zinc sulfate, ≤ 10%                            | +       | +               |
| Cumene (Isopropyl benzene)               | +       | +               |                                         |         |                 |                                                |         |                 |

\* use ETFE/PTFE bottle adapter, \*\* use PTFE seal for valve block

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The above recommendations reflect testing completed prior to publication. Always follow instructions in the operating manual of the instrument as well as the reagent manufacturer's specifications. In addition to these chemicals, a variety of organic and inorganic saline solutions (e.g., biological buffers), biological detergents and media for cell culture can be dispensed. Should you require information on chemicals not listed, please feel free to contact BrandTech Scientific. Status as of: 0605/13

## Note:

For dispensing HF, we recommend the use of the Dispensette® S Trace Analysis bottle-top dispenser with platinum-iridium valve spring (Cat. No. 4640041).



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