

## Specimen Stabilizing Solution

For **Research Use Only**. Not for use in diagnostic procedures

### Background

The Quidel Specimen Stabilizing Solution, when used in accordance with the procedure described below, will retard the generation of complement activation fragments and complexes in human serum and plasma during processing and storage. This product extends the stability of the specimens significantly reducing the likelihood of *in vitro* generated elevation of complement fragments. The Quidel Specimen Stabilizing Solution should be used for stabilizing serum and plasma specimens that cannot be tested or stored at or below  $-70^{\circ}\text{C}$ , within four hours after phlebotomy. The Quidel Specimen Stabilizing Solution is intended for use with all assays designed to assess complement activation fragments, specifically the MicroVue™ iC3b, C3a, C4d, Bb Plus and SC5b-9 Plus EIA kits.

### Preparation

Warm the bottle containing the Specimen Stabilizing Solution in a  $37^{\circ}\text{C}$  water bath to dissolve the contents. Mix thoroughly until the solution is clear. Allow the contents to return to room temperature prior to use.

### Procedure

- Dispense each specimen to be stabilized into convenient, single-use volumes (e.g.,  $50\ \mu\text{L}$ ). To ensure the lowest level of complement activation; this should be performed on ice.
- To each aliquot add an equal volume of stabilizing solution.
- Mix thoroughly.

### Specimen Storage

Stabilized specimens may be stored for up to six days at  $4^{\circ}\text{C}$  prior to testing or  $\leq -20^{\circ}\text{C}$  for one month. Storage of unstabilized specimens  $\geq -20^{\circ}\text{C}$  will result in complement activation.

### Use of Stabilized Specimens

Stabilized specimens should be tested as soon after thawing as possible. As with any complement specimen, thaw at  $37^{\circ}\text{C}$ . Remove to ice as soon as the specimen has thawed. Do not leave specimens at  $37^{\circ}\text{C}$ . Since the specimen is already diluted 1:2 in specimen stabilizer, the required assay dilution should be reduced two-fold (e.g., if the required dilution is 1:50, make a 1:25 of the stabilized specimen). Normal ranges should be determined for stabilized specimens independently. In some assays, the concentration of the analyte will differ slightly between stabilized and unstabilized specimens.

### Specifications

- Volume/Vial: 25 mL
- Storage:  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$

Specimen Stabilizing Solution – Cat. #A9576

Also available:

MicroVue iC3b EIA – Cat. #A006

MicroVue C4d EIA – Cat. #A008

MicroVue C3a EIA – Cat. #A015

MicroVue SC5b-9 Plus EIA – Cat. #A020

MicroVue Bb Plus EIA – Cat. #A027