



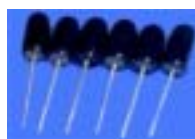
3902 W. Valley Hwy. N. Bldg 502,
Auburn, Wa. 98001 USA
253.735.3910



CE Partner4U, Esdoomlaan 13,
3951DB Maam, The Netherlands

DATASHEET REFERENCE ELECTRODE SET

DATE OF ISSUE: 04252005



7370487 HI

Use: This electrode cartridge is for *in vitro* use only. It is used as a reference electrode for the quantitative determination of sodium, potassium, and chloride on Hitachi 700 series chemistry analyzers.

Type: Silver/Silver chloride
Life Span: 1month min. - 3 months typical from installation

Storage: Store a room temperature in provided packaging.
Shelf Life: Unlimited (stored in provided packaging)



PERFORMANCE CHARACTERISTICS:

Slope: NA
Within-run SD: NA
Within-run CV: NA
Total SD: NA
Total CV: NA
Linearity: NA
Linear error: NA

INTERFERENCES:

NA

CLEANING/MAINTENANCE

Follow OEM recommended procedure(s) in instrument operators manual. Procedure will vary depending on the specific analyzer model.

PRECAUTIONS:

This electrode has been tested for control recoveries using Beckman Decision, BioRad Lypochek serum/urine, Roche Precinorm/Precipath, N.I.S.T. SRM 909b and Hi Chem Align linearity standards/controls. Our studies indicate that you can expect a consistent adherence to literature values established for the OEM electrode.

THEORY:

A solid state sensor (silver/silver chloride) detects chloride activity in aqueous potassium chloride. The resulting potential is used as the anode potential in potentiometric measurements of sodium, potassium, and chloride.

REFERENCES:

Friedman, Clin. Chem. 1980, **26**, 4
Young, Clin. Chem. 1975, **21**, 5

Note 1 - A comparison of Hitachi and Perphormax Brand Ion-selective Electrode Response; D. Nagahara, D. Otten; *Internal White Paper*, October, 2004; Peripheral Visions, Inc. A copy of this study can be found on our website at www.peripheralvisions.com.