The GSP Neonatal GALT assay is used as an aid in screening newborns for classic galactosemia.

- Faster assay – incubation time now only 2 h
- Improved precision compared to manual assays
- Provides results in today’s preferred unit, U/dL
- Contains reagents for 1152 tests (12 plates) clear microplates should be ordered separately in a bulk pack of 50.
- Floating disks control

Galactosemia is an inherited disorder caused by a deficiency of one of three enzymes responsible for the metabolism of α-D-galactose. The most common form of the disease, classic galactosemia is caused by deficiency of galactose-1-phosphate uridyltransferase (GALT). Classic galactosemia affects from 1 in 30,000 to 1 in 60,000 live births. If not diagnosed and treated within the newborn period, it can lead to diarrhea, dehydration, jaundice, hepatic failure, hypoglycemia, cataracts, developmental retardation, and death within a few weeks. Treatment of the disease consists of withdrawal of all foods containing lactose and galactose from the diet.

NOW AVAILABLE!
**GSP Neonatal GALT assay**

In the GSP Neonatal GALT assay, GALT in the blood sample catalyzes a reaction between galactose-1-phosphate and uridine diphosphoglucose contained in the assay substrate reagent. In the course of further reactions NADP (nicotinamide adenine dinucleotide phosphate) also contained in the assay substrate reagent is reduced to NADPH, a fluorescent substance that can be measured with excitation at 355 nm and emission detection at 460 nm.

For use with the GSP instrument

GSP is the new, automated neonatal screening instrument from PerkinElmer. It has multi-technology capability, which means that both DELFIA® and prompt fluorescence assays can now be run on a common platform. Its versatility and speed help it to accommodate present and future screening needs.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3303-001U</td>
<td>GSP Neonatal GALT kit excluding plates, reagents for 12 plates</td>
</tr>
<tr>
<td>4076-0010</td>
<td>Clear microplates for GSP Neonatal GALT kit (50 plates)</td>
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</table>

All PerkinElmer neonatal products may not be available in all countries.