Jordi Labs

Material Solutions. Uncompromising Integrity.

Jordi Gel

Bulk Media

Jordi Gel

Durability and Performance

Jordi Labs is the only company that makes packings from 100% divinylbenzene (DVB) for compatibility with high temperatures, pressures and the widest range of solvents.

Jordi gels have the highest extent of crosslinking and are made using our proprietary processes which provide:

- More strength to the gel
- Unparalleled resistance to shrinking and swelling
- Particle sizes ranging from 1-200µ
- Pore sizes to cover the entire Mw range
- Widest range of polymeric surface chemistries (ion exchange, hydrophobic, hydrophilic)
- Stability at high pressures (30,000 psig)
- High pore volume (up to 750m^2/g)
- High temperature stability (150°C)
- Economical pricing

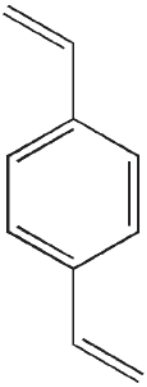
Jordi polymeric media is prepared in our state of the art manufacturing facility in batch sizes as large as 15kg. We take great pride in the production of all Jordi resins and submit our products to a demanding quality control process.

Please call or email us for information on selecting the right gel for your application. Custom gel synthesis is available upon request.

QC - Quality and Consistency

- **Particle Size** - Electrozone sensing particle size analysis
- **Particle Shape** - Light microscopy for particle shape determination
- **Surface Area and Porosity** - Nitrogen adsorption
- **Chromatographic Performance** - HPLC column chromatography
- **Purity** - Mass Spectroscopy (MS)
- **Ion Exchange Capacity** - Ion exchange chromatography

DVB



Jordi Gel DVB resin is made from 100% divinylbenzene forming one of the most rugged, hydrophobic packing materials available. The polymer is stable in all solvents and at extremes of pH (0-14). Polymeric beads provide increased sample loading capacity and have greater retention than common silica C18 or PS-DVB phases. Its highly hydrophobic surface provides excellent retention for many compounds of interest in environmental applications.

- **Higher Recoveries** - due to the retentive nature of DVB packing materials
- **Durability** - stability at pH extremes of 0-14
- **Improved Detection Limits** – using reduced resin volumes

Name	5-20µ	25-35µ	55-65µ
Jordi Gel DVB	40012	40092	40032

**Please Call For Pricing For Jordi Bulk Media*

Material Solutions. Uncompromising Integrity.

Jordi Labs 200 Gilbert St Mansfield, MA 02048 Phone: 1-508-966-1301 Fax: 1-508-339-1639 Email : www.jordilabs.com

C18

Jordi Gel C18 resin contains bonded octadecyl groups attached to our 100% divinylbenzene polymer backbone. The linkage to the resin is formed using a rugged secondary amino group which allows for ionic interactions when the gel is at acidic pH. At basic pH the phase is neutral allowing for strong reverse phase interactions. Jordi C18 resin can be used in any solvent and at extremes of pH (0-14).

Name	5-20µ	25-35µ	55-65µ
Jordi Gel C18	40512	40552	40522

**Please Call For Pricing For Jordi Bulk Media*

FLUORINATED

Jordi Fluorinated resin is a 100% divinylbenzene phase with a surface coating formed with fluorinated benzene rings. This patented technology provides decreased absorbance as compared to non-bonded DVB surfaces and is a good option for applications where excess retention of the target compound prevents convenient elution. Jordi fluorinated resins are stable in a wide range of solvents and over the complete pH range (0-14).

Name	5-20µ	25-35µ	55-65µ
Jordi Gel Fluorinated	44012	44042	44052

**Please Call For Pricing For Jordi Bulk Media*

GLUCOSE

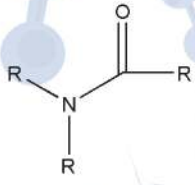
Jordi Glucose DVB resin contains a glucose ring bonded to our 100% divinylbenzene backbone forming a very hydrophilic surface for normal phase chromatography. The polymer is stable in all solvents and at extremes of pH (0-14). This phase is excellent for retention of polar compounds from hydrophobic matrices.

Name	5-20µ	25-35µ	55-65µ
Jordi Gel Glucose	40212	40232	40242

**Please Call For Pricing For Jordi Bulk Media*

XSTREAM

The Jordi Gel xStream resin is a new patent pending technology which is based upon a novel polyamide chemistry. This water wettable phase allows for reverse phase retention of a wide range of hydrophobic and hydrophilic compounds . The polyamide chemistry tightly binds with water eliminating poor recovery caused by drying of the phase. The phase is stable over the complete pH range (0-14) and can be used with nearly any solvent allowing the use of a wide range of mobile phases.



- **Localized Hydrophobic/Hydrophilic Balance** -for optimal analyte/resin contact and retention
- **Polyamide Stationary Phase** - allows for NP and RP separations in 100% water or 100% organic solvent
- **Improved Wettability** – even after drying

Name	5-20µ	25-35µ	55-65µ
Jordi Gel xStream	47012	47042	47052

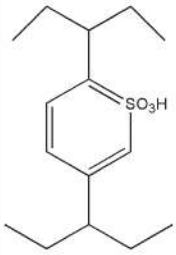
**Please Call For Pricing For Jordi Bulk Media*

Jordi Labs
Material Solutions. Uncompromising Integrity.

Jordi Labs 200 Gilbert St Mansfield, MA 02048 Phone: 1-508-966-1301 Fax: 1-508-339-1639 Email : www.jordilabs.com

Ion Exchange

SCX



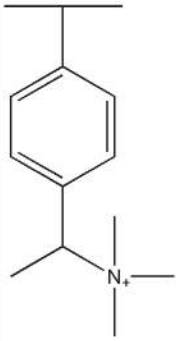
Jordi Gel SCX resin is a water wettable sulfonate modified divinylbenzene polymer. The media exhibits both reverse phase and ion exchange retention for a wide range of basic and neutral compounds allowing easy method development. The phase is stable over the complete pH range (0-14) and can be used with nearly any solvent allowing the use of a wide range of mobile phases. This phase shows excellent retention for essentially all of the common basic drugs of abuse.

- **Sulfonated Stationary Phase** - allows for cation exchange separations
- **100%DVB** - promotes increased durability, excellent flow properties and stability throughout the entire pH scale
- **Excellent Wettability** – even after drying due to hydrophilic/hydrophobic balance

Name	5-20µ	25-35µ	55-65µ
Jordi Gel SCX	41202	41212	41222

**Please Call For Pricing For Jordi Bulk Media*

SAX



Jordi Gel SAX resin is a water wettable quaternary amino DVB polymer for anion exchange and reverse phase analysis. The phase contains a permanent positive charge on the surface. This allows for retention of acidic and neutral compounds based upon solution pH. The phase is excellent for a wide range of compounds including hydrophobic and acidic compounds providing simpler method development. The phase is stable over the complete pH range (0-14) and can be used with nearly any solvent allowing the use of a wide range of mobile phases.

- **Quaternary Amine Phase** - allows for anion exchange separations
- **100%DVB** - for enhanced retention characteristics
- **Excellent Wettability** – even after drying due to hydrophilic/hydrophobic balance

Name	5-20µ	25-35µ	55-65µ
Jordi Gel SAX	40612	40652	40662

**Please Call For Pricing For Jordi Bulk Media*

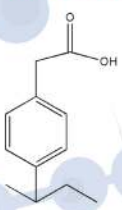
WAX

Jordi Gel WAX resin is a water wettable polyimino DVB phase for anion exchange and reverse phase analyses. This phase contains a high density of secondary amino groups which allows selective surface charge depending on solution pH. This phase is excellent for compounds which contain a permanent negative charge. The phase is stable over the complete pH range (0-14) and can be used with nearly any solvent allowing the use of a wide range of mobile phases.

Name	5-20µ	25-35µ	55-65µ
Jordi Gel WAX	41012	41032	41052

**Please Call For Pricing For Jordi Bulk Media*

WCX



Jordi Gel WCX resin is a weak cation exchange resin for the analysis of quaternary amino compounds. The gel contains organic acid functional groups which allow selective surface charge depending on the mobile phase pH. This allows the analysis of permanently charged quaternary amino compounds. The phase is stable over the complete pH range (0-14) and can be used with nearly any solvent allowing the use of a wide range of mobile phases.

Name	5-20µ	25-35µ	55-65µ
Jordi Gel WCX	45002	45012	45022

**Please Call For Pricing For Jordi Bulk Media*

Jordi Labs 200 Gilbert St Mansfield, MA 02048 Phone: 1-508-966-1301 Fax: 1-508-339-1639 Email : www.jordilabs.com