Umbilikit

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Clean Delivery Kit
Annual number of births by world region

Source: UN Population Division (2017 Revision)
Concept

- Not useful for repurposing
- No risk of sharps injury
- Baby & Birth Attendant Friendly
- Compact/Small
- Low cost
- Culturally acceptable

### Needs Criteria

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>Needs Criteria</td>
<td>100% Biodegradable (&lt;5 years)</td>
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<tr>
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<td>Natural/Organic</td>
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<td>Easy-to-use and intuitive</td>
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<td></td>
<td>Ergonomic</td>
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<td>Small (pocket size)</td>
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<td>Durable</td>
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<td>Low production cost</td>
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<td>Easily distributed</td>
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<td>Culturally acceptable</td>
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### Product Description

The device is a unique flat pack designed with biodegradable rings, bioline, and ties. The device is designed to be a safe alternative to current methods of cord tie and cutting in rural developing countries with limited resources.

### Intended Users

- Clinicians, Nurses, ASHA, Ward Boys, Patient’s Family

### Intended Uses

- Birthing in rural areas with limited resources
- Birthing in developing counties
- Home births

### Intended Environments of Use

- Hospital, clinic, and home in developed and developing countries.
Video:
Questions?

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B2B Best of Engineering Award, 2016