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Baxter REPEATER™ Equivalent Tubing Physical Characteristics & Performance

Physical Characteristics:

| Photo Reference | Baxter REPEATER™ Set | MPS Pharma Pharmacy Pump Set | Applicable Baxter SKU | Comparable MPS SKU | Deviation or Impact on Performance |
|-----------------|--|--|-----------------------|----------------------|--|
| | Spike: ABS Vent: Polypropylene Filter: 1.2um PVDF/PET (Polyvinylidene Fluoride/Polyethylene Terephthalate) Sheath: Polyethylene | Spike: ABS Vent: High Density Polyethylene Filter: 0.2um Acrylic Copolymer on non-woven nylon support Sheath: Low Density Polyethylene | H93811 | G82711-M | None. Materials meet similar qualifications as defined per USP VI and ISO 10993. The 0.2 um micron filter is an improvement over the comparable 1.2 um. |
| | PVC (polyvinyl chloride), Luer lock | PVC (polyvinyl chloride) - Male Luer Lock + LDPE - Cap (Vented) | H93821 | G82721-M | None. Dimensions are similar, no impact on performance. |
| | 4.75mm ID, PVC | MLL connector to Non-DEHP PVC tubing, ID 4.65mm, Length 1210mm | H93811 H93821 | G82711-M G82721-M | None. Dimensions are similar, no impact on performance. |
| | Blue Tubing Connector – ABS (circled in blue) Blue Retaining Ring – ABS (circled in red) | Blue Tubing Connector – PVC (circled in blue) Blue Retaining Ring – ABS (circled in red) | H93811 H93821 | G82711-M G82721-M | None. Materials meet similar qualifications as defined per USP VI and ISO 10993 |
| | Not mentioned on Baxter IFU | Length of silicone tubing from the top of blue retaining ring to the top of the other blue retaining ring 192mm <i>*red line = top of blue retaining ring</i> | H93811 H93821 | G82711-M G82721-M | None. Dimensions are similar, no impact on performance. |
| | 3mm ID - Silicone | 3.1mm ID - Silicone | H93811 H93821 | G82711-M G82721-M | None. Dimensions are similar, with no impact on performance. Any marginal difference will be corrected upon performance of pump calibration procedure per Baxter REPEATER™ pump IFU. |
| | PVC tubing with 2.67mm ID has a pinch clamp | Blue PVC tubing connector to Non-DEHP PVC tubing, ID 2.80mm, Length 1500mm. | H93811 H93821 | G82711-M G82721-M | None. Dimensions are similar, no impact on performance. |
| | PVC, Luer Lock | Male luer lock with holder ID4.1mm - ABS Male luer lock vented end cap – LDPE Dimensions followed and will fit into existing fixturing. | H93811 H93821 | G82711-M G82721-M | None. Materials meet similar qualifications as defined per USP VI and ISO 10993 |
| | All materials Class VI Plastics | All materials are USP Class VI | H93811 H93821 | G82711-M G82721-M | No deviation |
| | Complies with ISO 8536-4, tensile strength, leak testing requirements | Complies with ISO 8536-4, tensile strength, leak testing requirements | H93811 H93821 | G82711-M G82721-M | No deviation |
| | Meets biocompatibility ISO-10993 requirements for Intravascular Administration Set | Meets biocompatibility ISO-10993 requirements for Intravascular Administration Set | H93811 H93821 | G82711-M G82721-M | No deviation |
| | EO Sterilized | EO Sterilized | H93811 H93821 | G82711-M G82721-M | No deviation |
| | LAL Tested | LAL Tested | H93811 H93821 | G82711-M G82721-M | No deviation |

Performance Characteristics:

| Test Type | Baxter REPEATER™ Pump Claims | MPS Pharma Pharmacy Pump Set (G82711-M**) | Baxter Pharmacy Pump Set (H93811) |
|--|---------------------------------|---|-----------------------------------|
| Life Cycle Test: Set the pump speed to High (9), pump 9,999mL of water. Change volume to 10.0mL, check for accuracy. | Pump will deliver 10.0mL +/- 1% | Passed | Passed |
| Volume Accuracy Test: Set the pump speed to both Low (1) and High (9), run 500 cycles of 1.0mL volume, check for accuracy. | Pump will deliver 1.0mL +/- 2% | Passed | Passed |

*The above performance and accuracy characteristics are driven by the silicone tubing inside the pump and not the remaining components. This performance is a function of the silicone ID/OD and the length of it between blue connectors identified in the chart above. All sets sharing the same silicone will perform the same. "Baxter REPEATER™ Pump Claims" can be found in the Baxter REPEATER™ Pump Operating manual.

**The above summary was compiled using MPS's quality records and Baxter's IFU 5300-1286 Rev. D, issued on 16-Jun-2021.