

## Elixir of Restoration

The key ingredient of this standard potion is the mysterious *Bacillus subtilis*. Colonies of this important magical ingredient is exclusively found within the deepest darkest corners of the forbidden forest near Hogwarts, School of Witchcraft and Wizardry (Rowling, 2005). Mainly found in soil and vegetation, this elusive substance discovered by Gramius Caterwalg in 1409 has inherent healing qualities (Kramer, 2010). The morphology noted by this famous wizard is described this cream-colored rod-shaped magical substance as occurring in flat elevation, irregular form, and lobular or undulate margins (Leung & Liu, 2011). In order to magically restore perfect health of human beings, a proficient potion master would take extreme care in preparing the following potion. Failure in following these precise measurements could result in the opposite result—painful and excruciating death.

### Procedure:

Procure half of a cauldron of warm dung from a centaur. *Bacillus subtilis* is especially found in fecal matter large magical creatures consuming plants from the forbidden forest (Kramer, 2010).

Add one large slug and water from the lake on the grounds of Hogwarts. The slime of the slug separates the diplo arrangement of the *Bacillus subtilis*.

Laugh raucously while stirring the sludge 5 times clockwise and 3 times counterclockwise, and blow on it twice.

Drop in 2 to 3 violet crystals, a splash of iodine, a half-drop of ethanol, and an ounce of safranin, spitting four times in the cauldron between the additions. By this time, the mixture should be a purple color, indicating that it is Gram-positive.

Add a bezoar and simmer at low heat intensity for a fortnight. Perform step 3 daily.

After the fortnight, stir in a vial of each carbolfuchsin, acid-alcohol, and methylene blue. Because it is nonacid-fast, the potion shall turn a bluish hue.

Slowly add 5 ounces of Malachite green and the vitreous humor of a hippogriff. Boil vigorously, then add a vial of safranin. This step will differentiate between the endospore (green) and the vegetative cell (pink) of *Bacillus subtilis*.

At exactly midnight, add 2 spoonfuls of blood from a mature unicorn and 4 drops of phoenix tears.

The potion at this point should now be ready to drink. Only consume one vial per severe injury, due to its concentration.

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\*The Elixir of Restoration keeps for about a decade. Please refer to Standard Book of Spells, Grade 6 by Miranda Goshawk (Rowling, 2005) for the spell *Bacilliosubtivis* to produce paralleled effects.

## Works Cited

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- Rowling, J. (2005). *Harry Potter and the Half Blood Prince*. New York, NY, USA: Arthur A. Levine Books.
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For this assignment, I reported a fictional procedure to make the Elixir of Restoration, as would be seen from the book Advanced Potion Making, Grade 6 by Libatius Borage, all in accordance with Harry Potter and the Half-Blood Prince by J.K. Rowling. Please note that the page number corresponds with the number of my unknown. Some of the ingredients (other than *Bacillus subtilis*) possess healing qualities according to the Harry Potter books. Also note that I put citations in the assignment to refer to names (Hogwarts, School of Witchcraft and Wizardry) or concepts, such as *B. subtilis* being found in dung—but *not* the fictional context!